

PROJECT DESCRIPTION (MOT PHASE 2)

I. GENERAL:

THIS PHASE OF THE PROJECT IS FOR THE WIDENING OF EASTBOUND MD 175 (ANNAPOLIS ROAD). CONSTRUCTION WORK WILL INVOLVE THE REMOVAL OF EXISTING CURB AND GUTTER ALONG EASTBOUND MD 175, EXCAVATION, CONSTRUCTION OF DRAINAGE ITEMS, AND PAVEMENT WIDENING TO MATCH EXISTING PAVEMENT ELEVATION AND CROSS-SLOPE.

TRAFFIC SIGNALIZATION WORK DURING THIS PHASE OF THE ROADWAY RECONSTRUCTION WILL ENTAIL THE REMOVAL OF EXISTING SIGNAL EQUIPMENT. PROPOSED SIGNAL EQUIPMENT INSTALLED DURING PHASE 1B SHALL BE TAKING OVER THE SIGNAL OPERATION OF THIS INTERSECTION. EXISTING SIGNAL POLES, PEDESTRIANS SIGNAL HEADS AND PUSHBUTTONS FOR THE NORTHWEST AND SOUTHWEST CORNERS SHALL REMAIN AND BE UTILIZED FOR THE PEDESTRIAN PHASING. ALL PROPOSED PEDESTRIAN SIGNAL HEADS THAT WERE INSTALLED IN PHASE 1B SHALL BE BAGGED WITH THE EXCEPTION OF THE PEDESTRIAN SIGNAL AND PUSHBUTTON ON THE NORTHWEST CORNER, WHICH SHALL BE UTILIZED FOR PEDESTRIAN PHASING.

MD 175 (ANNAPOLIS ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION:

THE INTERSECTION IS TO OPERATE IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE, WITH THE MD 175 APPROACHES RUNNING CONCURRENTLY. EXCLUSIVE LEFT-TURN PHASES SHALL BE PROVIDED FOR BOTH APPROACHES OF MD 175. DISNEY ROAD/ 26TH STREET SHALL RUN A SPLIT PHASED OPERATION, AND A PEDESTRIAN PHASE SHALL BE PROVIDED FOR THE NORTH AND EAST LEGS OF THE INTERSECTION.

AUDIBLE PUSHBUTTON FUNCTION IS AS FOLLOWS:

- When the pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message:
NORTH LEG (BUTTON 18p): "Wait to cross Disney at Annapolis, Wait."
- When the "WALK" phase begins, the pushbutton will provide a rapid tick, which will last for the duration of the "WALK" phase.

PROJECT CONTACTS:

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MR. MIKE HUBER, UTILITY ENGINEER
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MR. GUS PAYNE, CONSTRUCTION INSPECTION
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MR. EDWARD RODENHIZER, CHIEF-SIGNAL SHOP
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MR. SONNY BAILEY, CHIEF-SIGN SHOP
PHONE: (410) 787-7676

MS. JACQUELINE SHULTZ-BGE
PHONE: 410-470-8445

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE	QUANTITY	DESCRIPTION
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NO EQUIPMENT SHALL BE SUPPLIED BY THE ADMINISTRATION DURING THIS PHASE OF THE PROJECT.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	17e	18	19e	26e	NOTE:
																			PROPOSED PEDESTRIAN SIGNAL HEADS 15,16,20-22 SHALL BE BAGGED AND WILL NOT BE OPERATIONAL DURING THIS PHASE OF CONSTRUCTION.
Phase 1 & 5	◀G-	◀G-	R	R	◀G-	◀G-	R	R	R	R	R	R	R	R	DW	DW	DW	DW	
1 & 5 Change	◀Y-	◀Y-	R	R	◀Y-	◀Y-	R	R	R	R	R	R	R	R	DW	DW	DW	DW	
Phase 2 & 6	◀R-	◀R-	G	G	◀R-	◀R-	G	G	R	R	R	R	R	R	WK	WK	DW	DW	
Ped. Clear	◀R-	◀R-	G	G	◀R-	◀R-	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW	
2 & 6 Change	◀R-	◀R-	Y	Y	◀R-	◀R-	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	
Phase 3	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G/G	◀G/G	G	R	R	R	DW	DW	DW	DW	
3 Change	◀R-	◀R-	R	R	◀R-	◀R-	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	
Phase 4	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	◀G/G	◀G/G	G	DW	DW	DW	DW	
4 Change	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	
Phase 3 ALT	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G/G	◀G/G	G	R	R	R	DW	DW	WK	WK	
Ped. Clear	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G/G	◀G/G	G	R	R	R	DW	DW	FL/DW	FL/DW	
3 ALT Change	◀R-	◀R-	R	R	◀R-	◀R-	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	
Flashing Operation	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	

EQUIPMENT LIST 'B'

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE	QUANTITY	DESCRIPTION
800000	1 LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
800000	30 LF	DISCONNECT AND REROUTE EXISTING CABLE
805125	20 LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED

EQUIPMENT LIST 'C'

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINETS. THE CABINETS AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM

WIRING KEY

A,B - EXISTING 5 CONDUCTOR ELECTRICAL CABLE
C - EXISTING 2 CONDUCTOR ELECTRICAL CABLE
D - PROPOSED 5 CONDUCTOR ELECTRICAL CABLE (INSTALLED DURING PHASE 1)
E - PROPOSED 2 CONDUCTOR ELECTRICAL CABLE (INSTALLED DURING PHASE 1)

PHASE 2

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 175 (ANNAPOLIS ROAD) AT
26TH STREET/DISNEY ROAD
FORT MEADE, MD

MOT PHASE 2 - GENERAL INFORMATION PLAN

SCALE 1" = 20' DATE OCTOBER 2010 CONTRACT NO. AA580A21

DESIGNED BY ENB/MAR COUNTY ANNE ARUNDEL
DRAWN BY ENB LOGMILE 02017507.30
CHECKED BY MAR/NR TMS NO. J-969
F.A.P. NO. ACPLHD-STP-TIP-3617(11)E TOD NO.

TS NO. 1959D2-GI DRAWING SG-08.2 OF 26 SHEET NO. 128 OF 195

CENTURY
ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

REVISION 'D' 23299.36